COOPER LIGHTING - METALUX®

DESCRIPTION

The EIM Series is an energy efficient family of industrials that feature premium performance and durability. The industrial series incorporates heavy duty, embossed, reflectors that precisely direct and effectively control light. The EIM reflector is a unique design that was developed to prevent debris accumulation in special applications. The versatile EIM Series can be installed using various mounting methods and numerous options and accessories are available.
The EIM Series can be utilized in simple task and area lighting to the most demanding specialized industrial applications with environmental requirements.

Catalog #		Type
Project		
Comments		Date
Prepared by		

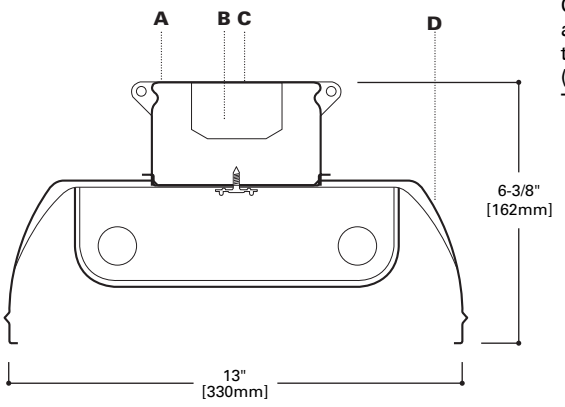
SPECIFICATION FEATURES

A ... Construction
Channel is code gauge prime cold rolled steel. Die formed with deep V-grooves for tong hanger. Die formed channel connector assures straight rows and continuity of ground through set screws. Lampholder mounting brackets are easily inserted with snap-in action.

B ... Electrical*
Ballast are CBM/ETL Class "P" and positively secured by mounting bolts. Metal clad lampholders are spring loaded for turret safety. UL/CUL listed. Suitable for damp locations.

C ... Finish
Multistage iron phosphate pretreatment ensures maximum bonding and rust inhibitor. Lighting grade, baked white enamel finish.

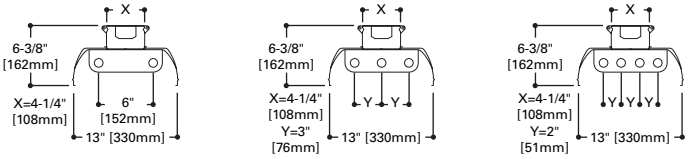
D ... Reflectors
Painted after fabrication. Die formed code gauge steel. Deep draw full width ribs formed with one press stroke. Side flanges lend strength with Downward turn. Reflector design prevents lint, dust and debris buildup. Easily cleaned. Baked white enamel 13" width. Four foot sections. Reflectors secured by positive retaining screw. Reflector aligners provided. Standard with 20% uplight (EIM). Closed top reflector (ECIM). Optional Industrial fixtures are available incorporating silver technology enhancements. (SilverLining) Consult Pre Sales Technical Support.



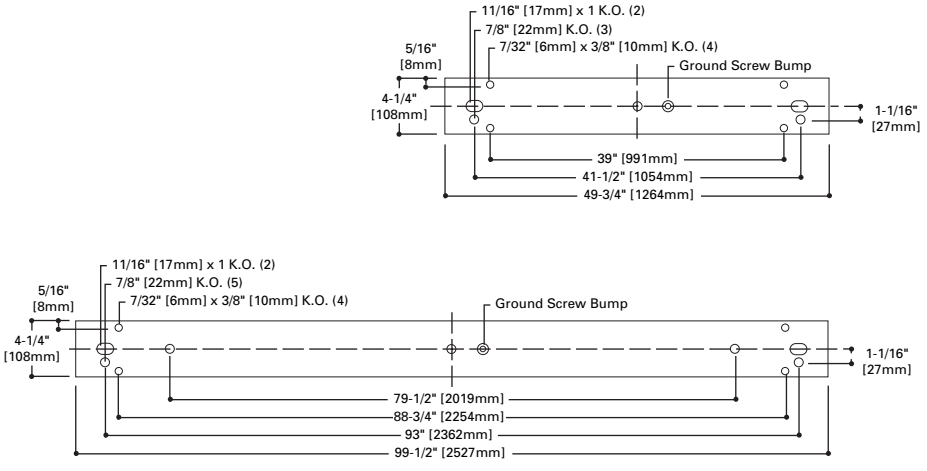
EIM
240
232
340
332
440
432

4' INDUSTRIAL
2, 3 OR 4 LAMP
Environmental Heavy Duty Industrial

LAMP CONFIGURATIONS



MOUNTING DATA



ENERGY DATA

Input Watts:

EB Ballast & STD Lamps
240 (72)
232 (61)
340 (110)
332 (91)
440 (144)
432 (122)

ES Ballast & STD Lamps
240 (86)
232 (71)
340 (136)
332 (108)
440 (172)
432 (142)

Luminaire Efficacy Rating
LER = FI-84
Catalog Number: EIM-232

Yearly Cost of 1000 lumens, 3000 hrs at .08 KWH = $2.87

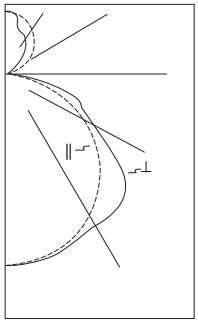
*Reference the lamp/ballast data in the Technical Section for specific lamp/ballast requirements.

LAMPS CONTAIN MERCURY. DISPOSE ACCORDING TO LOCAL, STATE OR FEDERAL LAWS

LINEAR DISCONNECT
Safe and convenient means of disconnecting power

ISO SYSTEMS CERTIFIED

Specifications and Dimensions subject to change without notice.
Consult your representative for additional options and finishes.



EIM-232
Electronic Ballast

F32T8-SPX35 Lamps
2950 Lumens

Spacing criterion: (II) 1.3 x mounting height, (⊥) 1.4 x mounting height

Efficiency 96.3%

Test Report: EIM232.IES

LER = FI-84

Yearly Cost of 1000 lumens, 3000 hrs at .08 KWH = $2.87

Coefficients of Utilization

Effective floor cavity reflectance					20%															
rc	80%				70%				50%			30%			10%			0%		
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																				
0	111	111	111	111	106	106	106	106	98	98	98	90	90	90	83	83	83	79		
1	100	96	91	88	96	92	88	85	85	82	79	78	76	73	72	70	68	65		
2	91	83	76	70	87	79	73	68	73	68	64	68	64	60	62	59	56	53		
3	82	72	64	58	79	69	62	56	64	58	53	59	54	50	55	51	47	44		
4	75	64	55	49	72	61	53	47	57	50	45	52	47	42	48	44	40	37		
5	69	56	48	41	66	54	46	40	50	44	38	47	41	36	43	38	35	32		
6	63	51	42	36	60	49	41	35	45	38	33	42	36	32	39	34	30	28		
7	59	46	37	31	56	44	36	31	41	34	29	38	32	28	36	30	27	24		
8	54	41	33	28	52	40	32	27	37	31	26	35	29	25	33	27	24	22		
9	51	38	30	25	48	37	29	24	34	28	23	32	26	22	30	25	21	19		
10	47	35	27	22	45	34	27	22	32	25	21	30	24	20	28	23	19	17		

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1124	19.1	19.8
0-40	1885	32.0	33.2
0-60	3544	60.1	62.4
0-90	4687	79.4	82.5
90-180	994	16.8	17.5
0-180	5680	96.3	100.0

Candela

Angle	Along II	45°	Across ⊥
0	1406	1406	1406
10	1390	1391	1394
20	1322	1346	1358
30	1211	1257	1294
40	1062	1146	1272
50	870	1057	1093
60	645	833	728
70	398	501	590
80	164	213	147
90	9	37	23
100	34	77	63
110	109	22	49
120	193	74	26
130	267	175	102
140	336	291	217
150	393	314	336
160	433	401	337
170	456	454	454
180	459	459	459

ORDERING INFORMATION

SAMPLE NUMBER: EIM-232-120V-EB81-U

Tandem
Blank=4' Length
8T=8' Length

Series
EIM= Apertured Reflector
ECIM=Closed Top Reflector

Lamp Spacing
Blank=Standard Spacing
N=Narrow Spacing for 2 Lamp Only (10% uplight)

Silver Reflector [3]
SS= Silver-Lining Reflector

Number of Lamps
2, 3 or **4** Lamps
(Not included)

Wattage (Length)
40=34/40W T12 (48")
32=32W T8 (48")

Voltage [1]
120V=120 Volt
277V=277 Volt
347V=347 Volt
UNV=Universal Voltage 120-277 [2]

Options
GL=Single Element Fuse
GM=Double Element Fuse
EL=Emergency Installed

Ballast Type [1]
EB8__=T8 Electronic Instant Start. Total Harmonic Distortion < 10%
No. of Ballast 1, 2 or 3
EB8__/PLUS= T8 Electronic Instant Start. High Ballast Factor >1.13. Total Harmonic Distortion < 20%
No. of Ballast 1, 2 or 3
ER8__=T8 Electronic Program Rapid Start. Total Harmonic Distortion < 10%
No. of Ballast 1, 2 or 3
EB2__=T12 Electronic Rapid Start.
No. of Ballast 1 or 2

Options
RIF1=Radio Interference Suppressor
6-3/18 SJT-C&P-515P=Cord & Plug (120V)
6-3/18 SJT-C&P-L715P=Cord & Plug (277V)
PI/CPI=Plug-In Option
TILW=Tandem In-Line Wiring Option (Consult TILW Option Catalog Page)
POX=Porlux Finish
(See options & accessories)

Packaging
U=Unit Pack
4B=4 Bulk

NOTES: [1]Products also available in non-US voltages and frequencies for international markets.
[2]Not available when specifying emergencies, voltage must be specific.
[3]Silver lining not available on fixtures with HO, VHO or PG.

Specifications & dimensions subject to change without notice. Consult your Cooper Lighting Representative for availability and ordering information.

SHIPPING INFORMATION

Catalog No.	Wt.
EIM-232	15 lbs.
8TEIM-232	32 lbs.
EIM-332	25 lbs.
EIM-432	25 lbs.

ACCESSORIES

(Order Separately)

A1B/Spacer-U=Spacer 1-1/2" to 2-1/2" from ceiling (Use 2 per fixture)
ATG-4=Tong Hanger (Use 2 per fixture)
SCF=Fixed Stem Set (Specify Length)
SCS=Swivel Stem Set (Specify Length)
SCA=Adjustable 48" Stem Set
AYC-Chain/Set-U=Chain Hanger Set (Use 1 set per fixture)
WG/DI-4FT-U[1]=Wire Guard
WGG/DI-4FT-U=Wire Gym Guard
DI2=Long Connector
CEP=Closed End Plate
(Note: Reflector will extend 1/4" past the end plate).

(Additional Accessories Available. See Options and Accessories Section).